



# U. S. Chemical Safety and Hazard Investigation Board

## RECOMMENDATION STATUS CHANGE

### SUMMARY

<b>Report:</b>	Givaudan Sense Colour Explosion
<b>Recommendation Number:</b>	2024-06-I-KY-R5
<b>Date Issued:</b>	May 27, 2026
<b>Recipient:</b>	Givaudan Facilities that Manufacture Caramel Coloring Products
<b>New Status:</b>	Open – Awaiting Response or Evaluation/Approval of Response
<b>Date of Status Change:</b>	Not Applicable – Initial Status

#### Recommendation Text:

*For each caramel coloring facility, contract a third party to design adequate emergency pressure relief systems for the vessels involved in caramel coloring manufacturing. Ensure the third party reviews/incorporates all reactivity data obtained from the testing required by CSB Recommendation 2024-06-I-KY-R1 when designing the emergency pressure relief systems. Document and maintain each vessel's relief system design basis for the service life of the vessel.*

#### Board Status Change Decision:

##### A. Rationale for Recommendation

On November 12, 2024, a pressure vessel exploded at the Givaudan caramel coloring manufacturing facility in Louisville, KY. The explosion fatally injured two workers, seriously injured three others, and scattered debris offsite. The facility has ceased operations.

The U.S. Chemical Safety and Hazard Investigation Board (CSB) investigated the incident and found several safety issues including deficiencies in managing reactive hazards, sizing pressure relief systems, and others indicative of a faulty safety management system.

As a result of these findings, the CSB issued seven recommendations to Givaudan Facilities that Manufacture Caramel Coloring Products. This status change summary addresses CSB Recommendation No. 2024-06-I-KY-R5.